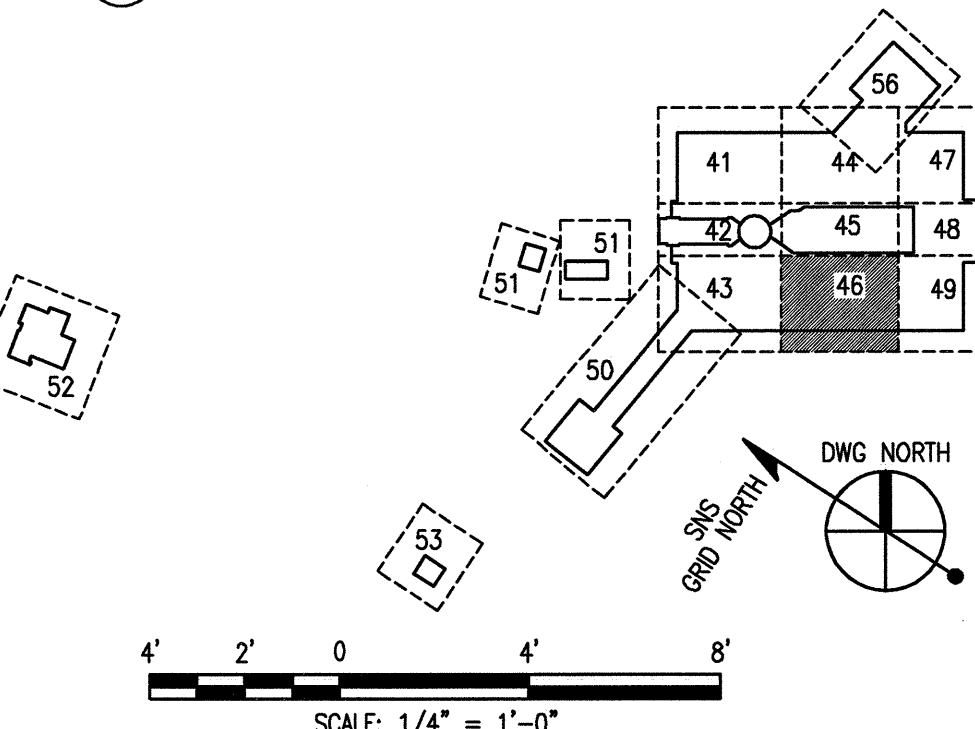


GENERAL NOTES:

1. NOT USED.
2. ALL GROUNDING CONDUCTORS SHALL BE #4/0 STRANDED BARE COPPER (SBC), UNLESS NOTED OTHERWISE.
3. ALL GROUND CONNECTIONS SHALL BE EXOTHERMIC.
4. STUB-UP UNDERGROUND CONDUIT W/ GROUNDING BUSHING.
5. INSTALL GROUND BAR ON COLUMNS AS SHOWN. GROUND STEEL COLUMN TO THE GROUND BAR, IF INSTALLED ON THE COLUMN, UNLESS SHOWN OTHERWISE. GROUND ALTERNATE STEEL COLUMN AND REBAR DIRECTLY TO GROUND GRID CONDUCTORS.
6. LIGHTNING PROTECTION SYSTEM DOWN CONDUCTORS TO BE ATTACHED TO STRUCTURAL STEEL OR CONCRETE COLUMNS WITH UL LISTED CONNECTORS.
7. IN EACH AREA CONTAINING ELECTRICAL EQUIPMENT, ACCESS TO THE GROUNDING SYSTEM MUST BE AVAILABLE EITHER FROM STRUCTURAL STEEL OR THE BUILDING GROUND GRID.
8. ALL GROUND CONDUCTORS SHOWN WITHIN THE BUILDING ARE EMBEDDED IN THE FLOOR CONCRETE.

SHEET KEYNOTES:

- N001 #4/0 COPPER GREEN INSULATED GROUND CABLE SHALL BE RATED 600V TYPE THHN.
- N002 METALLIC PIPING IN THE UTILITY TUNNEL/CORRIDOR SHALL BE GROUNDED TO THE GROUND PLATES IN THE WALL WITH #4/0 SBC.



NO REPRESENTATION OR WARRANTY, EXPRESSED OR IMPLIED, IS MADE AS TO THE ACCURACY, COMPLETENESS OR USEFULNESS OF THE INFORMATION OR STATEMENTS CONTAINED IN THESE DRAWINGS, OR THAT THE USE OR DISCLOSURE OF ANY INFORMATION, APPARATUS, METHOD, OR PROCESS DISCLOSED IN THESE DRAWINGS MAY NOT INFRINGE PRIVATE RIGHTS OF OTHERS. NO LIABILITY IS ASSUMED WITH RESPECT TO THE USE OF, OR FOR DAMAGES RESULTING FROM THE USE OF ANY INFORMATION, APPARATUS, METHOD, OR PROCESS DISCLOSED IN THESE DRAWINGS. DRAWINGS MADE AVAILABLE FOR INFORMATION TO BIDDERS ARE NOT TO BE USED FOR OTHER PURPOSES AND ARE TO BE RETURNED UPON REQUEST OF THE FORWARDING CONTRACTOR.

NUMBER OF SECTION OR DETAIL

DRAWING ON WHICH SECTION OR DETAIL IS SHOWN OR TAKEN

SECTION AND DETAIL KEY

THIS DOCUMENT CONTROLLED BY

CHANGE CONTROL SYSTEM

ENGINEERING PROCEDURE SNS-ENG-0001

2																																		
1	A	3	1-13																															
0																																		
REV	Change Type	Change System	Change Manager	DESCRIPTION						DSN	CHK	DEPT	DATE	PE	DATE	PJ	DATE	REQ	DATE	UTB	DATE	RPE	RPE NO	DATE	ST	CV	EC	EE	EM	IE	M	PD	SE	AR
REVISION OR ISSUE PURPOSE																																		
REVISION APPROVALS																																		
SQUAD CHECK																																		

RPE

DSN: H. GROWER 4/13/01

DRW: L. MAKOVSKY 4/13/01

CHK: V. STEFFEN 4/13/01

DESIGN: J. R. DEAN 4/18/01

PC: C.L. GARREN 4/18/01

PJ: R.A. DEAN 4/18/01

REQ

UTB: J.R. LAWSON 4/19/01

2

11-13-01

DATE

REVISION APPROVALS

108030700-E8E-8700-A006

Knight/Jacobs Joint Venture
701 Scarpato Road, MS 8203
Oak Ridge, TN 37830
865-241-8433
Fax 865-241-3400

KNIGHT
Knight Advanced Technology

Oak Ridge National Laboratory
managed for the DEPARTMENT OF ENERGY under
U.S. GOVERNMENT contract DE-AC05-00OR22725

PROJECT NAME:
SPALLATION NEUTRON SOURCE

**TARGET BUILDING
ELECTRICAL GROUNDING PLAN
LEVEL B1, SECTOR 46**

1	48	49	50	PLANT	8	BLDG	8700	FL		SH.	OF	TYPE	CLASS
3	E	X	X							1	1	P	U
51	NC	52	NA	53	WBS	1.8.3.7							

E7.B1.46

REV 2